



TIANJIN SURE INSTRUMENT CO., LTD.

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Products Brochure

E.910/21Rev001

***SURE WE ARE,
SURE TO BE BETTER.***

**TO WORK WITH INNOVATIVE SPIRIT
TO DEVELOP HIGH QUALITY PRODUCTS
FOR THE MEASUREMENTS OF FLUIDS.**



Assembly Workshop



Calibration Device



Impeller Processing Equipment



With excellent staffs, advanced equipments, strict quality control system and good services, our products are widely sold to more than 97 countries and gain good reputation from customers. Our aim is to provide a metering solution that helps our customers achieve operational improvement through their production capability, usually, in the form of reduced energy usage, improved product quality, lower emissions and greater production throughout. Reducing emissions, carbon footprint, and your company's impact on the environment is our goal. Not only will have a strong social and environmental impact but also a positive economic impact today and future.

THE COMPANY

TIANJIN SURE INSTRUMENT is engaged into the design, manufacture and service of measurement and analysis instruments field. With 14 years development, we have become one of the outstanding enterprises in this field in China.

At present, Sure Instrument is a professional and responsible flow meter enterprise with 353 staffs, 73000m² standardized workshops and machining centers, high-precision numerical control machines automated assembling line as well as other equipments.



ULTRASONIC FLOW METER

DS116 SERIES



DESCRIPTION

Wall- mounted ultrasonic flow meter is a state-of-the-art universal transit-time flow meter designed using FPGA chip and low-voltage broadband pulse transmission.

APPLICATIONS

- Ultra-pure liquids
- Potable water
- Chemicals
- Raw sewage
- Reclaimed water
- Cooling water
- River water
- Plant effluent

FEATURES

- The transmitter's protection IP65, and the sensor's protection IP68
- Positive and negative flow measurement, cumulative flow
- 50000 hours test without trouble
- Traffic statistics by period
- Keyboard key life is more than 200,000 times
- RS485 communication interface, 4-20mA current signal, pulse output, MODBUS protocol

TECHNICAL DATA

Flow Range	±0.03ft/s- ±20ft/s (±0.01 m/s- ±6 m/s)
Accuracy	±1% of measured value
Pipe Size	Clamp- on: (25mm- 1200mm)
Pipe material	Carbon steel, stainless steel, PVC
Output	OCT Pulse output: 0- 5000Hz. Analog output: 4- 20mA, max load 750Ω
Communication Interface	RS485; Modbus
Power Supply	10-36V DC/ 1A
Keypad	16(4×4)key with tactile action
Display	20×2 lattice alphanumeric, back lit LCD
Temperature	Transmitter: 14°F...122°F (+10°C...+50°C) Transducer: 32°F...176°F (-10°C...+80°C)
Humidity	Up to 99% RH, non- condensing
Protection	Transmitter: PC/ ABS, IP65
	Transducer: Encapsulated design,IP68
Transducer cable	Standard cable length:30ft(9m)
Weight	Transmitter: approximately 0.7kg Transducer: approximately 0.4kg (One set weight is 7kg after package)



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